



1012908

**COMPLETE SAMPLE DELIVERY GROUP FILE (CSF)
EVIDENCE AUDIT CHECKLIST
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section**

Audit Number: 08-229-05Date CSF Received: 10/3/05Received By: Carol BentDate of Audit: 10/19/05Audited By: Carol BentResubmitted CSF? Yes ☐ No ☐Lab Name: Bonner AnalyticalLab Location: Nattisburg, MSSite Name: Rico ArgentineSite Manager: Dale HuffRAS Number: 34642ULSA Number: SDG Number: MHIFZ6Number of Samples: 20/4/WCLP Lab Code: Bonner

AUDIT CHECKLIST

CHAIN OF CUSTODY

- | | | |
|---|---|-----------------------------|
| 1. Custody Seal Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 2. Condition of Seal? Intact <input checked="" type="checkbox"/> Signed <input checked="" type="checkbox"/> Broken <input type="checkbox"/> Unsigned <input type="checkbox"/> | | |
| 3. Chain of Custody Record(s) Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 4. Chain of Custody Record(s) Signed? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 5. Chain of Custody Record(s) Dated? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 6. Traffic Report(s) or Packing List(s) Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 7. Traffic Report(s) or Packing List(s) Signed? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 8. Airbill Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 9. Airbill Number(s): <u>85253929 6726</u> | | |
| 10. Airbill Signed? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 11. Airbill Dated? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 12. Sample Tags Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |
| 13. Should Sample Tags be Present? | Yes <input checked="" type="checkbox"/> | No <input type="checkbox"/> |

AUDIT NUMBER: 08-229-05

FORM DC-2

14. Form DC-2 Present?
15. Numbering Scheme on Form DC-2 Correct?
16. Enclosed Documents Listed?
17. Listed Documents Enclosed?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

FORM DC-1

18. Form DC-1 Present?
19. Form DC-1 Complete?
20. Form DC-1 Correct?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DOCUMENT CONTROL

21. Laboratory Documents Complete?
22. Laboratory Documents Legible?
23. Original Documents Included in CSF?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

DATA INSPECTION

24. Form I's present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
25. Forms 2 through 8 (VOC & SVOC), Forms 2 through 10 (Pesticides), Forms 2 through 14 (Metals & Cyanide) present?
26. Raw data present (for each analytical fraction as defined by the Traffic Report/Chain of Custody Record)?
27. Percent Solids Form present for soil samples?

Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐
Yes ☒ No ☐

NOTE: If items 1, 3, 4, 6, 7, 8, 12, 14, 18, or 22 are missing, corrective action measures must be taken by the CSF auditor and summarized below.

AUDIT NUMBER:

08-229-05

EPA CLP ELECTRONIC DISSENT(S)

CASE #: 34642

SDG #: MHIF26

SITE NAME:

Rico Argentine

RPM:

Dale Hoff

DATE:

10/19/05

AUDITOR:

Carol Blane

Audit # 08-229-05

RAS - 34642

SDG - MHIF26

Site - Rico Argentine

Date - 10/19/05

AUDIT NUMBER: 08-229-05

COMMENTS AND NOTES:

Carol Beaul

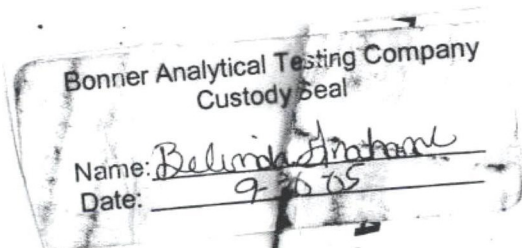
10/19/05

Auditor

Date

EPA OFFICIAL SEALS PAGE

Please attach all custody seals below:



USEPA - CLP

001

COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067
Lab Code: BONNER Case No: 34642 NRAS No.: _____ SDG No: MH1FZ6
SOW No.: ILM05.3

EPA Sample No.

Lab Sample ID

MH1FZ4BT23711MH1FZ6BT23712MH1FZ6DBT23712DMH1FZ6SBT23712SMH1FZ8BT23713MH1G00BT23714MH1G02BT23715MH1G04BT23716MH1G06BT23717MH1G08BT23718MH1G10BT23719MH1G12BT23720MH1G14BT23721MH1G16BT23722MH1G18BT23723MH1G20BT23724MH1G22BT23725MH1G24BT23726MH1G26BT23727MH1G28BT23728

ICP-AES

ICP-MS

Were ICP-AES and ICP-MS interelement corrections applied?

(Yes/No)

YESNO

Were ICP-AES and ICP-MS background corrections applied?

(Yes/No)

YESNO

If yes, were raw data generated before application of background corrections?

(Yes/No)

NONO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: 

Name: Christopher M. Bonner

Date: 9/30/5

Title: Inorganic Laboratory Manager

COVER PAGE

Lab Name: Bonner Analytical Testing Company Contract: 68W02067
Lab Code: BONNER Case No: 34642 NRAS No.: _____ SDG No: MH1FZ6
SOW No.: ILM05.3

EPA Sample No.

Lab Sample ID

MH1G30BT23729MH1G32BT23730

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	<u>YES</u>	<u>NO</u>
If yes, were raw data generated before application of background corrections?	(Yes/No)	<u>NO</u>	<u>NO</u>

Comments: _____

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on diskette (or via an alternate means of electronic transmission, if approved in advance by USEPA) has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: _____

Name: Christopher M. Bonner

Date: _____

Title: Inorganic Laboratory Manager

Bonner Analytical Testing Company



2703 Oak Grove Road, Hattiesburg, MS 39402
Phone: (601) 264-2854 Fax: (601) 268-7084

SDG NARRATIVE:

SDG Number: MH1FZ6

Case Number: 34642

Contract Number: 68W02067

Sample Receipt:

On 9/24/05 we received 20 waters under Fed Ex air bill number 8525 3929 6726. Custody seals were present and intact. Cooler temps were determined to be 7.7°C, 5°C, 3.1°C, and 7.4°C. Samples were in good condition except for the following discrepancies:

1. No temp blank present.

Resolution 1) In accordance with previous direction from Region 8, the laboratory will note the issue, and the method used to determine the temperature, in the SDG Narrative and proceed with the analysis of the samples.

2. Samples MH1G19 and 20 had a time of 11:30 listed on TR/COC. Sample tags listed a time of 11:00 for both samples. Please advise on how to proceed.

Resolution 2) Sample time for MHG19 should be 11: 00 and sample MHG20 is 11:30.

3. Sample MH1G36 had a ph of 3, and sample MH1G37 had a ph of 4. Please advise on how to proceed.

Resolution 3) Laboratory should adjust the pH for these samples and note this in the case narrative.

4. SDG MH1FZ6 did not list a QC. We would like to choose MH1FZ6 for laboratory QC.

SDG MH1G01 did not list a QC. We would like to choose MH1G01 for laboratory QC.

SDG MH1G25 did not list a QC. We would like to choose MH1G25 for laboratory QC.

Resolution 4) In accordance with previous direction from Region 8, the laboratory will select a sample for laboratory QC as long as the sample is not a PE, blank, or rinsate sample. The laboratory will note the issue in the SDG Narrative, notify the SMO coordinator of the sample selected for laboratory QC, and proceed with the analysis of the samples.

SMO will report that BONNER selected MH1FZ6 as lab QC for SDG MH1FZ6, MH1G01 as lab QC for SDG MH1G01, and MH1G25 as lab QC for SDG MH1G25.

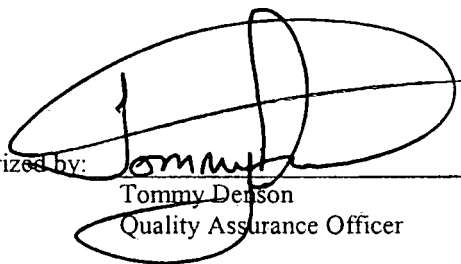
ICP-AES Metals:

The analytical run for metals began on 092905 @ 0948 hrs. During the run, CRI02 failed for Pb. Corrective action calls for the CRI to be reanalyzed.

Sample MHIFZ6

Metals : 30846 $\mu\text{g/L}$ * 1 (Dilution Factor) \rightarrow 30800
(Analyte Ca)

Authorized by:



Tommy Denson
Quality Assurance Officer

SAMPLE LOG-IN SHEET

005

Lab Name <u>Banner Analytical Testing CO.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No.		NRAS Number	

Remarks:	EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1. Custody Seal(s) <u>Present</u> /Absent* <u>Intact</u> /Broken	MHIFZ3	1	8-253351	BT23731	good
2. Custody Seal Nos. <u>N/A</u>	MHIFZ3	1	8-253352	BT23731	
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present</u> /Absent*	MHIFZ4	1	8-253353	BT23711	
4. Airbill <u>Airbill/Sticker</u> <u>Present</u> /Absent*	MHIFZ4	1	8-253354	BT23711	
5. Airbill No. <u>8525 3929 16726</u> <u>N/A</u>	MHIFZ5	1	8-253355	BT23732	
6. Sample Tags <u>Present</u> /Absent*	MHIFZ6	1	8-253356	BT23712	
Sample Tag Numbers <u>Listed</u> /Not Listed on Traffic Report/Chain of Custody Record	MHIG33	1	8-253397	BT23749	
7. Sample Condition <u>Intact</u> /Broken*/Leaking	MHIG34	1	8-253398	BT23752	
8. Cooler Temperature Indicator Bottle <u>Present</u> /Absent*	MHIG35	1	8-253399	BT23753	
9. Cooler Temperature <u>7.7°C</u>	MHIG36	3	8-253400	BT23754	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes</u> /No*	MHIG37	4	8-253401	BT23755	
11. Date Received at Lab <u>9-24-05</u>	MHIG38	1	8-253402	BT23756	
12. Time Received <u>1015</u>	MHIG39	1	8-253403	BT23757	✓
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				9-26-05

* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. _____
Date <u>9-30-05</u>	Logbook Page No. <u>85</u> <u>9-26-05</u>

SAMPLE LOG-IN SHEET

Lab Name <u>Bonner Analytical Testing Co.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No.			NRAS Number
Remarks:	EPA Sample #	Aqueous Sample pH	Corresponding		Remarks: Condition of Sample Shipment, etc.
			Sample Tag #	Assigned Lab #	
1. Custody Seal(s) <u>Present/Absent*</u> <u>Intact/Broken</u>	<u>MH1F27</u>	<u>1</u>	<u>8-253357</u>	<u>B723733</u>	good ↓
2. Custody Seal Nos. <u>N/A</u>	<u>MH1F28</u>	<u>1</u>	<u>8-253358</u>	<u>B723713</u>	
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present/Absent*</u>	<u>MH1G05</u>	<u>1</u>	<u>8-253365</u>	<u>B723737</u>	
4. Airbill <u>Airbill/Sticker</u> <u>Present/Absent*</u>	<u>MH1G07</u>	<u>1</u>	<u>8-253367</u>	<u>B723738</u>	
5. Airbill No. <u>8526 39296726</u> <u>N/A</u>	<u>MH1G08</u>	<u>1</u>	<u>8-253368</u>	<u>B723718</u>	
6. Sample Tags <u>Present/Absent*</u> Sample Tag Numbers <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>	<u>MH1G09</u>	<u>1</u>	<u>8-253369</u>	<u>B723739</u>	
7. Sample Condition <u>Intact/Broken*/Leaking</u>	<u>MH1G13</u>	<u>1</u>	<u>8-253373</u>	<u>B723741</u>	
8. Cooler Temperature Indicator Bottle <u>Present/Absent*</u>	<u>MH1G14</u>	<u>1</u>	<u>8-253375</u>	<u>B723721</u>	
9. Cooler Temperature <u>3.1°C</u>	<u>MH1G14</u>	<u>1</u>	<u>8-253376</u>	<u>B723721</u>	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>	<u>MH1G27</u>	<u>1</u>	<u>8-253390</u>	<u>B723751</u>	
11. Date Received at Lab <u>9-24-05</u>	<u>MH1G28</u>	<u>1</u>	<u>8-253392</u>	<u>B723728</u>	
12. Time Received <u>1015</u>					
Sample Transfer					
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				<u>9-26-05</u>

* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. _____
Date <u>9-30-05</u>	Logbook Page No. <u>9-26-05</u>

SAMPLE LOG-IN SHEET

Lab Name <u>Bonner Analytical Testing CO</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No.			NRAS Number
Remarks:			Corresponding		Remarks: Condition of Sample Shipment, etc.
	EPA Sample #	Aqueous Sample pH	Sample Tag #	Assigned Lab #	
1. Custody Seal(s) <u>Present/Absent*</u> <u>Intact/Broken</u>	<u>MHIG29</u>	<u>1</u>	<u>8-253359</u>	<u>BT23734</u>	<u>good</u>
2. Custody Seal Nos. <u>N/A</u> <u>N/A</u>	<u>MHIG00</u>	<u>1</u>	<u>8-253360</u>	<u>BT23714</u>	
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present/Absent*</u>	<u>MHIG17</u>	<u>1</u>	<u>8-253379</u>	<u>BT23743</u>	
4. Airbill <u>Airbill Sticker</u> <u>Present/Absent*</u>	<u>MHIG18</u>	<u>1</u>	<u>8-253380</u>	<u>BT23723</u>	
5. Airbill No. <u>8525 3929 6726</u> <u>N/A</u>	<u>MHIG19</u>	<u>1</u>	<u>8-253381</u>	<u>BT23744</u>	
6. Sample Tags <u>Present/Absent*</u> Sample Tag Numbers <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>	<u>MHIG20</u>	<u>1</u>	<u>8-253382</u>	<u>BT23724</u>	
7. Sample Condition <u>Intact/Broken*/Leaking</u>	<u>MHIG21</u>	<u>1</u>	<u>8-253383</u>	<u>BT23745</u>	
8. Cooler Temperature Indicator Bottle <u>Present/Absent*</u>	<u>MHIG22</u>	<u>1</u>	<u>8-253384</u>	<u>BT23725</u>	
9. Cooler Temperature <u>74°C</u>	<u>MHIG23</u>	<u>1</u>	<u>8-253385</u>	<u>BT23746</u>	
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>	<u>MHIG24</u>	<u>1</u>	<u>8-253386</u>	<u>BT23726</u>	
11. Date Received at Lab <u>9-24-05</u>	<u>MHIG25</u>	<u>1</u>	<u>8-253387</u>	<u>BT23750</u>	
12. Time Received <u>10:15</u>	<u>MHIG26</u>	<u>1</u>	<u>8-253388</u>	<u>BT23727</u>	
Sample Transfer		<u>MHIG27</u>	<u>1</u>	<u>8-253389</u>	<u>BT23751</u>
		<u>MHIG28</u>	<u>1</u>	<u>8-253391</u>	<u>BT23728</u>
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				<u>BT23729</u> <u>9-26-05</u>

* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. <u> </u>
Date <u>9-30-05</u>	Logbook Page No. <u>28</u> <u>9-26-05</u>

SAMPLE LOG-IN SHEET

008

Lab Name <u>Bonner Analytical Testing Co.</u>				Page <u>1</u> of <u>1</u>	
Received By (Print Name) <u>Belinda Graham</u>				Log-in Date <u>9-26-05</u>	
Received By (Signature) <u>Belinda Graham</u>					
Case Number <u>34642</u>		Sample Delivery Group No.,			NRAS Number
Remarks:		EPA Sample #	Aqueous Sample pH	Corresponding Sample Tag #	Assigned Lab #
1. Custody Seal(s) <u>Present/Absent*</u> <u>Intact/Broken</u>		MHIG01	1	8-253361	BT23735
2. Custody Seal Nos. <u>N/A</u> <u>N/A</u>		MHIG02	1	8-253362	BT23715
3. Traffic Reports/Chain of Custody Records or Packing Lists <u>Present/Absent*</u>		MHIG03	1	8-253363	BT23736
4. Airbill <u>Airbill/Sticker</u> <u>Present/Absent*</u>		MHIG04	1	8-253364	BT23716
5. Airbill No. <u>852539291020</u> <u>N/A</u>		MHIG05	1	8-253366	BT23717
6. Sample Tags <u>Present/Absent*</u> Sample Tag Numbers <u>Listed/Not Listed on Traffic Report/Chain of Custody Record</u>		MHIG10	1	8-253370	BT23719
7. Sample Condition <u>Intact/Broken*/Leaking</u>		MHIG12	1	8-253372	BT23720
8. Cooler Temperature Indicator Bottle <u>Present/Absent*</u>		MHIG15	1	8-253377	BT23742
9. Cooler Temperature <u>5°C</u>		MHIG16	1	8-253378	BT23722
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree? <u>Yes/No*</u>		MHIG29	1	8-253393	BT23747
11. Date Received at Lab <u>9-24-05</u>		MHIG30	1	8-253394	BT23729
12. Time Received <u>1015</u>		MHIG31	1	8-253395	BT23748
Sample Transfer		MHIG32	1	8-253396	BT23730
Fraction	Fraction				
Area #	Area #				
By	By				
On	On				

* Contact SMO and attach record of resolution

Reviewed By <u>Kim Richardson</u>	Logbook No. <u> </u>
Date <u>9-30-05</u>	Logbook Page No. <u> </u>

LABORATORY NAME Bonner Analytical Testing Co. CITY/STATE Hattiesburg, MS 009

CASE NO. 34642 SDG NO. MHIFZL

SDG NOS. TO FOLLOW MHIGOL MHIGAS N/A

NRAS NO. N/A

CONTRACT NO. 68W02067

SOW NO. ILM05.3

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

	PAGE NOS.		CHECK	
	FROM	TO	LAB	REGION
1. Cover Page	<u>1</u>	<u>2</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
2. SDG Narrative	<u>3</u>	<u>4</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
3. Sample Log-In Sheet (DC-1)	<u>5</u>	<u>8</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
4. Inventory Sheet (DC-2)	<u>9</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
5. Traffic Report/Chain of Custody Record(s)	<u>11</u>	<u>10</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
Inorganic Analysis <u>4/15/04</u>				
6. Data Sheet (Form IA-IN) <u>IA-IN</u>	<u>17</u>	<u>30</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
7. Initial & Continuing Calibration Verification (Form IIA-IN)	<u>37</u>	<u>40</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
8. CRQL Standard (Form IIB-IN)	<u>41</u>	<u>44</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
9. Blanks (Form III-IN)	<u>45</u>	<u>47</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
10. ICP-AES Interference Check Sample (Form IVA-IN)	<u>48</u>	<u>50</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
11. ICP-MS Interference Check Sample (Form IVB-IN)	<u>N/A</u>	<u>N/A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
12. Matrix Spike Sample Recovery (Form VA-IN)	<u>51</u>	<u>51</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
13. Post-Digestion Spike Sample Recovery (Form VB-IN)	<u>N/A</u>	<u>N/A</u>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Duplicates (Form VI-IN)	<u>52</u>	<u>52</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
15. Laboratory Control Sample (Form VII-IN)	<u>53</u>	<u>53</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
16. ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	<u>54</u>	<u>54</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
17. Method Detection Limits (Annually) (Form IX-IN)	<u>55</u>	<u>56</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
18. ICP-AES Interelement Correction Factors (Quarterly) (Form XA-IN)	<u>57</u>	<u>57</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
19. ICP-AES Interelement Correction Factors (Quarterly) (Form XB-IN)	<u>58</u>	<u>60</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
20. ICP-AES and ICP-MS Linear Ranges (Quarterly) (Form XI-IN)	<u>61</u>	<u>61</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
21. Preparation Log (Form XII-IN)	<u>62</u>	<u>62</u>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

22. Analysis Run Log (Form XIII-IN)

23. ICP-MS Tune (Form XIV-IN)

24. ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)

25. ICP-AES Raw Data

26. GFAA Raw Data (If Applicable)

27. ICP-MS Raw Data

28. Mercury Raw Data

29. Cyanide Raw Data

30. Preparation Logs Raw Data

31. Percent Solids Determination Log

32. USEPA Shipping/Receiving Documents
Airbill (No. of Shipments _____)

Sample Tags

Sample Log-In Sheet (Lab)

33. Misc. Shipping/Receiving Records
(list all individual records)

Telephone Logs

~~SDG Cover 28.05~~

N/A

34. Internal Lab Sample Transfer Records &
Tracking Sheets (describe or list)

In house Chain of Custody

N/A

35. Internal Original Sample Prep &
Analysis Records (describe or list)Prep Records ~~Standard & Reagent Logs~~Analysis Records ~~Run Log Raw Data~~

Description N/A

36. Other Records (describe or list)

Telephone Communications Log

E-mails

Corrective Action Forms

37. ~~Comments~~ Supporting Documentation

PAGE NOs.

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Completed by:

(CLP Lab)

(Signature)

Audited by:

(USEPA)

(Signature)

Chris Bonner LAB MANAGER

(Print Name & Title)

(Date)

Carol Beard

(Print Name & Title)

(Date)

FORM DC-2-2

JLM05.3



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: 68W020007 Unit Price: \$72.00 Transfer To: <i>[Signature]</i> Lab Contract No: <i>[Signature]</i> Unit Price: <i>[Signature]</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>[Signature]</i>	9/22/05 1600	To Fed Ex		
	2		Bulanda at home		9-24-05
	3				10:15
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ3	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253351 (HNO3), 8-253352 (HNO3) (2)	DR018SWU09	S: 9/21/2005 9:10		
MH1FZ4	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253353 (HNO3), 8-253354 (HNO3) (2)	DR018SWF09	S: 9/21/2005 9:10		good
MH1FZ5	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253355 (HNO3) (1)	DR017SWU09	S: 9/21/2005 7:30		DM-w 9-24-05 <i>[Signature]</i>
MH1G07	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253367 (HNO3) (1)	DR13BSWU09	S: 9/21/2005 14:20		
MH1G08	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253368 (HNO3) (1)	DR13BSWF09	S: 9/21/2005 14:20		
MH1G09	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253369 (HNO3) (1)	DR12BSWU09	S: 9/21/2005 14:45		
MH1G10	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253370 (HNO3) (1)	DR12BSWF09	S: 9/21/2005 14:45		
MH1G13	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253373 (HNO3), 8-253374 (HNO3) (2)	DR12ASWU09	S: 9/21/2005 15:45		
MH1G14	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253375 (HNO3), 8-253376 (HNO3) (2)	DR12ASWF09	S: 9/21/2005 15:45		
MH1G30	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253394 (HNO3) (1)	DR931SWF09	S: 9/21/2005 12:45		DM TM 9-24-05 <i>[Signature]</i>

ORIGINAL IN CSP:

Signature:

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 77°F/58°F/31°C	Chain of Custody Seal Number: N/A
Analysis Key: DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

TR Number: 8-134266200-092205-0006

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>BD Halwa</i>	For Lab Use Only Lab Contract No: 168020007 Unit Price: \$ 72.00 Transfer To: Lab Contract No: Unit Price: <i>BD 9/21/05</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>BD Halwa</i>	9/22/05 1600	to FedEx		
	2		<i>Zelinda Anahone</i>		9/24/05
	3				10:15
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No/ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ6	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253356 (HNO3) (1)	DR017SWF09	S: 9/21/2005 7:30		<i>FM - W on 9/21/05 good</i>
MH1G01	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253361 (HNO3) (1)	DR015SWU09	S: 9/21/2005 12:45		
MH1G02	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253362 (HNO3) (1)	DR015SWF09	S: 9/21/2005 12:45		
MH1G03	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253363 (HNO3) (1)	DR014SWU09	S: 9/21/2005 13:30		
MH1G04	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253364 (HNO3) (1)	DR014SWF09	S: 9/21/2005 13:30		
MH1G15	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253377 (HNO3) (1)	DR011SWU09	S: 9/21/2005 16:20		
MH1G16	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253378 (HNO3) (1)	DR011SWF09	S: 9/21/2005 16:20		

ORIGINAL IN CSR

Signature: _____

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 77°F/19°C / 3.1°C / 74°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0005

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>B. Halwa</i>	For Lab Use Only Lab Contract No: 10840020067 Unit Price: 372.00 Transfer To: Lab Contract No: Unit Price: 726.05	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>B. Halwa</i>	9/22/05 1600	<i>To FedEx</i>		
	2				
	3		<i>Belinda Anahome</i>	9-22-05	
	4			10/15	

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ9	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253359 (HNO3) (1)	DR942SWU09	S: 9/22/2005 10:00		
MH1G00	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253360 (HNO3) (1)	DR942SWF09	S: 9/22/2005 10:00		
MH1G17	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253379 (HNO3) (1)	DR008SWU09	S: 9/22/2005 11:00		
MH1G18	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253380 (HNO3) (1)	DR008SWF09	S: 9/22/2005 11:00		
MH1G19	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253381 (HNO3) (1)	DRSC1SWU09	S: 9/22/2005 11:30		
MH1G20	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253382 (HNO3) (1)	DRSC1SWF09	S: 9/22/2005 11:30		
MH1G21	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253383 (HNO3) (1)	DRSC4SWU09	S: 9/22/2005 12:20		
MH1G22	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253384 (HNO3) (1)	DRSC4SWF09	S: 9/22/2005 12:20		
MH1G23	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253385 (HNO3) (1)	DR007SWU09	S: 9/22/2005 12:55		
MH1G24	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253386 (HNO3) (1)	DR007SWF09	S: 9/22/2005 12:55		

good

014

ORIGINAL IN CSF:

Signature: _____

Shipment for Case Complete? <input type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 77°C / 59.13°F 74°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES

TR Number: 8-134266200-092205-0009

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

LABORATORY COPY



USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642
DAS No:
SDG No:

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>B Halwa</i>	For Lab Use Only Lab Contract No: 1084002N07 Unit Price: \$72.00 Transfer To: Lab Contract No: Unit Price: <i>BH 9-26-05</i>	
	Relinquished By	(Date / Time)	Received By		(Date / Time)
	1 <i>B Halwa</i>	9/22/05 1600	<i>to Fed Ex</i>		
	2		<i>Belinda Amhar</i>		
	3		<i>9-24-05 10:15</i>		
4					

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1G25	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253387 (HNO3) (1)	DR004SWU09	S: 9/22/2005 13:10		
MH1G26	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253388 (HNO3) (1)	DR004SWF09	S: 9/22/2005 13:10		
MH1G27	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253389 (HNO3), 8-253390 (HNO3) (2)	DR001SWU09			
MH1G28	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253391 (HNO3), 8-253392 (HNO3) (2)	DR001SWF09	S: 9/22/2005 13:45		

good
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8-9-26-05

ORIGINAL IN CSU:
Signature: _____

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Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 7.7°C/5.9°C/3.1°C 7.4°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>

DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES

TR Number: 8-134266200-092205-0009

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 34642

DAS No:

SDG No:

L

Date Shipped: Carrier Name: FedEx Airbill: Shipped to: Bonner Analytical Testing Co. 2703 Oak Grove Road Attn: Chris Bonner Hattiesburg MS 39402 (601) 264-2854	Chain of Custody Record		Sampler Signature: <i>[Signature]</i>	For Lab Use Only Lab Contract No: 1084002007 Unit Price: \$72.00 Transfer To: <i>[Signature]</i> Lab Contract No: <i>[Signature]</i> Unit Price: <i>[Signature]</i>
	Relinquished By (Date / Time)	Received By (Date / Time)		
	1 <i>[Signature]</i> 9/22/05 1600	<i>[Signature]</i> 9/24/05		
	2 <i>[Signature]</i>	10/15		
	3			
	4			

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME	ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MH1FZ7	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253357 (HNO3) (1)	DR941SWU09	S: 9/21/2005 19:00		
MH1FZ8	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253358 (HNO3) (1)	DR941SWF09	S: 9/21/2005 19:00		
MH1G05	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253365 (HNO3) (1)	DRWD1SWU09	S: 9/21/2005 13:50		
MH1G06	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253366 (HNO3) (1)	DRWD1SWF09	S: 9/21/2005 13:50		
MH1G11	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253371 (HNO3) (1)	DRBC1SWU09	S: 9/21/2005 15:15		
MH1G12	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253372 (HNO3) (1)	DRBC1SWF09	S: 9/21/2005 15:15		
MH1G29	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253393 (HNO3) (1)	DR931SWU09	S: 9/21/2005 12:45		
MH1G31	Surface Water/ Bev Halwa	L/G	TM-w (21)	8-253395 (HNO3) (1)	DR932SWU09	S: 9/21/2005 15:15		
MH1G32	Surface Water/ Bev Halwa	L/G	DM-w (21)	8-253396 (HNO3) (1)	DR932SWF09	S: 9/21/2005 15:15		
MH1G33	PE Water/ Bev Halwa	M/G	TM-w (21)	8-253397 (HNO3) (1)	DR939WAU09	S: 9/21/2005 11:00		

ORIGINAL IN CSF

Signature:

Shipment for Case Complete? <input checked="" type="checkbox"/>	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt: 77°C/5°C/31°C 7.4°C	Chain of Custody Seal Number: N/A
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? <input checked="" type="checkbox"/>	Shipment Iced? <input checked="" type="checkbox"/>
DM-w = CLP TAL Dissolved Metals, TM-w = CLP TAL Total Metals ICP/AES				

TR Number: 8-134266200-092205-0007

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, Attn: Heather Bauer, CSC, 15000 Conference Center Dr., Chantilly, VA 20151-3819; Phone 703/818-4200; Fax 703/818-4602

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Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number MHIFZ6

• ICP-AES Analysis

• ICP-MS Analysis

Laboratory Name Bonner Analytical Testing Co Laboratory Code BONNERContract No. 681002067 Case No. 341042Analysis Price \$72.00 SDG Turnaround 21 DAY

USEPA Sample Numbers in SDG (Listed in Numerical Order)

1) <u>MHIFZ4</u>	7) <u>MHIG06</u>	13) <u>MHIG18</u>	19) <u>MHIG30</u>
2) <u>MHIFZ6</u>	8) <u>MHIG08</u>	14) <u>MHIG20</u>	20) <u>MHIG32</u>
3) <u>MHIFZ8</u>	9) <u>MHIG10</u>	15) <u>MHIG22</u>	21) <u> </u>
4) <u>MHIG00</u>	10) <u>MHIG12</u>	16) <u>MHIG24</u>	22) <u> </u>
5) <u>MHIG02</u>	11) <u>MHIG14</u>	17) <u>MHIG26</u>	23) <u> </u>
6) <u>MHIG04</u>	12) <u>MHIG16</u>	18) <u>MHIG28</u>	24) <u> </u>

First Sample in SDG

MHIFZ4

Last Sample in SDG

MHIG32

First Sample Receipt Date

9-24-05

Last Sample Receipt Date

9-24-05

Note: There are a maximum of 20 **field** samples (excluding PE samples) in an SDG. Attach the TR/COC Records to this form in alphanumeric order (the order listed above on this form).

Signature Belinda Inabara Date 9-26-05